

ABSTRACT

A resonator (12) is electro-magnetically connected to a micro strip line (13). A rotor (11) is connected to the resonator by capacitance and changes a height (h) of the bottom surface in the circumferential direction. A rotating angle of the rotor (11) and a resonant frequency of the resonator (12) are well known. The rotor (11) is rotated, and an actual oscillation frequency is recognized from the rotating angle of the rotor (11) when an output of a detector (5) has a peak. A modulation voltage supplied to a VCO is corrected in accordance with the result. Thus, in an oscillator used for an FM-CW radar, an oscillation signal of a voltage control oscillator is output via a micro strip line 13, and an oscillation signal can be corrected with low costs.